

Title (en)
Telephone device

Title (de)
Telefonvorrichtung

Title (fr)
Dispositif téléphonique

Publication
EP 1930878 A1 20080611 (EN)

Application
EP 06125565 A 20061207

Priority
EP 06125565 A 20061207

Abstract (en)
The invention relates to telephone device, comprising a processing unit arranged to receive a microphone signal from a microphone and a speaker signal from a line interface and is arranged to transmit the microphone signal to the line interface and the speaker signal to a speaker. The processing unit comprises a noise reduction finite impulse response filter and a noise reduction subtracter, the noise reduction finite impulse response filter being defined by a plurality of noise reduction parameters (b i). The processing unit is arranged to transmit the microphone signal to the line interface and to the noise reduction finite impulse response filter. The output of the noise reduction finite impulse response filter is subtracted from the speaker signal (RX) as received from the line interface by noise reduction subtracter to cancel background noise present at the speaker.

IPC 8 full level
G10K 11/178 (2006.01); **H04M 9/08** (2006.01)

CPC (source: EP US)
H04M 9/082 (2013.01 - EP US); **G10K 2210/1081** (2013.01 - EP)

Citation (search report)
• [XA] EP 0903726 B1 20041124 - DIGISONIX INC [US]
• [XA] US 6381224 B1 20020430 - LANE JOHN EUGENE [US], et al

Cited by
US8682250B2; WO2009156756A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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AL BA HR MK RS

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